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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Complete if Known

Application Number	10/670,669
Filing Date	September 25, 2003
First Named Inventor	Hisashi Matsuno Et.
Art Unit	1742
Examiner Name	
Attorney Docket Number	EL0493USNA

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Signature	<i>mark</i>	Date Considered	9/17/05
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Substitute for form 1449/PTO		Complete if Known			
		Application Number	10/670,669		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	September 25, 2003		
		First Named Inventor	Hisashi Matsuno Et.		
		Art Unit	1742		
		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	EL0493USNA

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>h</i>		US- 3,516,949	06-23-1970	Hoffman	
<i>h</i>		US- 4,451,869	05-29-1984	Sakabe et al.	
<i>h</i>		US- 4,880,567	11-14-1989	Prabhu et al.	
<i>h</i>		US- 5,645,765	07-08-1997	Asada et al.	
<i>h</i>		US- 5,688,441	11-18-1997	Itagaki et al.	
<i>h</i>		US- 5,781,402	07-14-1998	Fujiyama et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
<i>h</i>		EP 1 122 220 A1	08-08-2001	Central Glass Company		
				Ltd.		
<i>mk</i>		EP 0 132 810 A1	02-13-1985	E. I du Pont de		
				Nemours & Co.		

Examiner Signature	<i>mal</i>	Date Considered	9/17/05
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